The following paper is the Oration of for the supernatural. The fundamental tinct species of living beings may have application, it was given, somewhat reluctantly, as not prepared with any expectation of publication. It contains much valuable thought, and will be read with interest, both by those who heard it, and others who did not, ED. C. M]

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TENDENCIES OF MODERN SCIENTIFIC INQUIRY.

BY G. F. CURRIE.

The current of philosophic thought, in its progress through the ages, has not always advanced steadily toward the truth. Imretarded the true growth of science. From the earliest historic times thoughtful men have been occupied in studying the phenomena of nature; and numerous systems of philosophy, have been constructed, and offered for general acceptance. But scarcely any scientific discoveries of permanent value were made until the ancient Greeks became the intellectual leaders of the race. questions the activity and acuteness of the Greek mind have probably never been surpassed. In those departments of inquiry the world, and left behind them valuable legacies to enrich the science of more ancient times.

phenomena were almost a total failure.which modern scientests can accept. The verence for the past was prevalent during the long intellectual night of the mediæval period, and held men in ignoble bendage, from which few, if any, dared to break away. Thus the conservative spirit was carried to an injurious extreme, hindering the legitimate exercise of the intellect in the independent search for truth, and hence, preventing men from attaining to that type of intellectual development of which they were capable.

In striking contrast however with this mediæval conservatism is the radical spirit of the modern scientific world. Radicalism great or greater evil than conservatism protaphysics, which prevailed in the past, many looking upon physics as the only proper subject of inquiry. And by thus taking a one-sided view of the truth, they are liable more dangerous than the notions of the school men. It would appear that the overthrow of so many systems of philosophy, cherished in the past, has led them to suppose that nothing which is old can stand the test of modern examination; and in their iconoclastic zeal, they proceed to demolish without hesitation nearly everything in human belief, however well-established and serviceable, which bears the impress of age.

It must be freely admitted that the adopgrand results in liberating men from intellectual thraidom, and enlarging the bounds of true science; and all honor is due to the men who in opposition to the current opinions of their day, sought from Nature berself an answer to the questions which she suggests, and discovered with such wonderful exactness many of the laws which underlie material phenomena, yet who at the same time recognized the presence and controlling power of the Infinite Lawgiver. The world regards with unfeigned admiration the patient researches of a Cop rnicus, Galileo, and a Newton, and the success which attended their efforts to solve the mysteries of nature; and all lovers of the truth can justly rejoice in the vast progress of scientific discovery since their day. But it is well to note and guard against the extravagant conclusions to which the ultra-physical character of modern science naturally leads.

The rebound from the superstition of the past has carried a certain school of scientists a long way toward the opposite extreme, and there is now an apparent ten-

member of the graduating class at the error of the system known as Positivism originated by development from some other recent Anniversary of Acadia College. On seems to lie in the foregone conclusion that the supernatural cannot be known. This philosophy deals only with phenomena, and of fittest." If proof were at hand in suptakes no account of spiritual and transcendental forces. Hence all questions which occur to the attentive observer of nature are to be answered by explanations drawn from nature, or to be considered incapable of solution. Proceeding upon these principles, the adherents of Positivism, trace the laws of nature so far as they can by means of their erueibles and test tubes, their balances and solvents, and construct their theories upon a physical basis alone. portant deviations have occurred in one They are hence subject to a tendency to direction or another, which have seriously enlarge the supposed sphere of the natural, to make it include and explain, if possible, all phenomena falling within human observation, while they are disposed to throw doubt and discredit upon testimony serving to establish such facts as cannot be thus

If, when they reach the mysterious border land which separates the physical from the mental, they would always frankly In the treatment of subtle metaphysical acknowledge that the facts of consciousness are not subject to chemical analysis, and cannot be referred to any physical origin, no reasonable complaint could be made which depend on pure deduction, their against them. But, not satisfied with the philosophers have rendered real service to | exact results which they reach within the legitimate sphere of their investigations, they endeavor to account for the phenomena of mind by reference to the laws which But their efforts to interpret physical govern matter and physical force. From the intimate connection of the mind with some process of natural development from Proceeding upon unsound principles, they | the body, the inference is drawn that the lower types of animal life, his lofty intelreached the most unphilosophical results; former may in some way be a product of lectual and moral nature, so broadly disand arrived at no important conclusion physical organism, and hence that all tinguished from the highest intelligence of the thoughts and emotions which the brute, can only be explained by refer-Roman and med eval philosophers made arise in the soul of man may result ence to some supernatural origin. no advance upon their Grecian masters in from molecular movements of the brain. physical science, and scarcely rose above Thus the mightiest achievements of the position of servile imitators. Original human intellect, including all that is and independent investigation was almost grand in history, all that is dignified in unknown for centuries. Superstitious re philosophy, and all that is admirable in morals, are reduced to nothing more than matter, or the direct outgrowth of matter. The soul, as a distinct substance, and as liable in the future to have a separate existence, is not recognized.

> It is difficult to understand why such an unusual basis should be adopted and retained by a school of thinkers occupying so high a standing in the scientific world.

The question comes to us :- Why must the supernatural always be unknown and unknowable? Why may not the Infinite Lawgiver suspend at times the ordinary laws of nature, and call into operation a in philosophy now appears to threaten as higher system of laws, or produce effects by his own immediate agency? And why duced in former days. In the revulsion may not these transcendent acts of the from the well nigh exclusive study of me- Creator be known to man, as fully as his ordinary methods of procedure? of the leaders of modern thought have The conclusion can hardly be avoided apparently fallen into the opposite error of that the error may lie deeper than the intellect, having its root in the heart. Nor can we " overlook the tendency of men of great mental power to become ' men of one to adopt conclusions no less erroneous and idea '-to overrate the value of their peculiar pursuit, and thus to throw a mist over the evidence of facts which have not for them the charm of a chosen theme."

and modes of inquiry adopted by the more | certainly by condemning physical science radical scientists of the day, are quite obvious. If within the range of human observation there is no such thing as distinct spiritual existence, if the human soul is nothing but a compound of sublimated forms of matter, we can have no evidence of any port of life other than that tion of the inductive method of inquiry, which originates in matter, and is found subjected to physical tests, but which as expounded by Bacon, has indeed led to existing in material forms. Thus the nevertheless are just as well established natural tendency of such a system of philosophy is toward a cold, hard, cheerless materialism.

a material stand-point alone would lead to doubts as to the existence of a supreme spiritual Being presiding over the affairs of men; and the inquirer, finding no response manifested to his physical senses, is landed at length in practical if not theoretical atheism. While the exponents of Positivism admit that it would be unphilosophical to assert that there is no God; they nevertheless affirm that if there be a light and heat? Are not the methods God, he cannot be known. He must ever of action which pertain to the human conremain hidden from the view of his crea- science as deserving of attention as the tures. They would have us believe that the Creator, if there be such, must be at | sical science go torward and accumulate an infinite distance from man, having en- all the knowledge possible concerning tirely withdrawn from all connection with phenomena within its own dominion; but the realm of nature, and left the system of let it not encroach upon the rights of its things to which we belong to work out its | neighbors ! Every discovery in the realm own destiny. Thursday, semiclassistic to yes

and interposes at times by acts of creative imaginary basis have no just claim to popdency to leave no place in their philosophy energy, it has been assumed that each die- ular assent.

eproles, according to the so-called laws of " natural selection" and the "survival the port of this hypothesis, no objection need be raised against it on theological grounds. The doctrine would admit the exercise of creative power in the origin of the first established, of which the proof was wantspecies; and the production of others ing. An unflinching adherence to these would still require the operation of the simple rules would afford a safeguard divine agency, as necessarily as in the act against a narrow-minded intolerance on the of original creation. The most serious ob- one hand, and an unsettled latitudinarianjection to the Darwinian view of the origin of species is the fact that science in its present condition furnishes scarcely any | ble errors which are so liberally propagated evidence, which, when fairly weighed, can by modern thinkers. be regarded as a sufficient ground for its acceptance. The missing links in the suppused chain of development so persistently elude the search of inquirers that we may entertain grave doubt as to whether such | behoves us to hold by the ancient landlinks have ever existed. Another weighty objection to the theory of evolution, in its | wear of many centuries, rather than heed application to man, is found to be its insufficiency to explain his mental and moral endowments. It fails entirely to account for the immeasurable superiority which the dreary and hopeless unbelief. Shall we human being possesses over every other form of animal life. The faculties of abstraction, of cumulative and inventive knowledge, of forming moral distinctions, and of speech, separate man by an impassable gulf from the most intelligent species of the brute creation. If we admit, as science does not require us to admit, that man may have descended physically by

The doctrine of developement seems at present, to be a conjecture-being unsustained by facts, and inadequate to account for phenomena which it should explain, it true. It may be useful to scientists, as suggesting a plan of inquiry; but until it rests upon a more solid basis, let it not be advanced or accepted as setting forth an established law of nature.

The aim of the Positive school seems to be to remove all necessity for supposing that there is a Divine Creator and Controller of the universe. Hence the persistence of force and the unerring constancy of natural laws are insisted upon as indicating that no superior being ever interposes. Attempts are made to produce life by spontaneous generation. Matter is almost deified, as though possessing in itself latent elements and forces capable of developement, without any external cause, into all the forms of beauty and utility which surround us. Hero worship is commended, and man himself is made to usurp the throne of the Eternal. Into all such vagaries do men run when they persist in shutting their eyes to a class of subjective phenonema which should always be taken into account in seeking for a true and universal philosopby.

In view of the facts presented, there arises a question of considerable importance: How are the materialistic tenden-The legitimate results of the premises cies of the age to be counteracted? Not but by exalting to its appropriate place the philosophy of mind. Let both fields of investigation be assiduously and honestly cultivated, and there need be no fear of any irreconcilable conflict. Is it right that in the study of nature, men should ignore that class of facts which cannot be as any kind of material phenonema? Is not the testimony of consciousness as reliable as that of our corporeal senses? Are The habit of looking at phenomena from | we not as certain of the existence of the ego as of the non-ego? Are not the laws which regulate the movements of the godlike human soul as worthy of study as those which operate in the processes of chemistry and mechanics? Are not the principles of logic as important as the automic theory? Is not a correct knowledge of the laws of imagination and taste as valuable as scientific theories concerning revelations of the spectroscope ? Let phyof matter, established by sound evidence, To avoid the conclusion that some unseen | may be safely and readily accepted. But hand is controlling the movements of nature, mere hypotheses resting chiefly upon an

The principles which governed the illustrious Newton in his researches into the aroana of nature are worthy of general adoption. His habit was, to accept without hesitation any doctrine, however unpopular, which had unquestionable evidence in its favor; while he steadily rejected every theory, however agreeable or long ism on the other. It would also secure protection against the specious and plausi-

Thus we see a careful conservatism is needed in the department of psychology, to withstand the destructive innovations with which it has been threatened. It marks of belief, which have withstood the the teachings of a Protean rationalism, which tends so surely to lead the inquirer into the mists and fogs of a not say to the investigators of material phenomena, when they have reached the limits of their department, "Thus far we will follow you, but no farther?" Shall we allow them to wage war against the most sacred institutions of the age, without raising our hands in their defence? Shall we permit the altar of prayer to be overthrown? Shall we give up our faith in that old volume which alone explains the darkast enigmas of human life, and which reveals the only truth that has ever met and satisfied the deepest longings of the human heart? Rather let us adhere to those positions against which the attacks of an unsound philosophy have never prevailed; and which, if wisely defended, promise ever to present an impregnable front to the onsets of error.

For the Christian Messenger.

DEAR BROTHER,-

In the May number of an English periodical, the Leisure Hour, there is a piece entitled, " Lost Atlantic Steamers," which contains some interesting, though somewhat melancholy accounts of the loss of steamers crossing the Atlantic Ocean, between the years 1841 and 1873, of which I have prepared a condensed account, with some slight alterations and additions, thinking you might consider it worth preserving as an historical record, and find a place for it in our valuable weekly visitor, the Christian Messenger.

Yours as ever,

The writer of the article seems to consider that although, "in former years, when the keels of sailing ships alone furrowed the ocean," vessels, not a few were wrecked, foundered, burnt or capsized, &c., still probably, no such wholesale destruction of human life took place anterior to the period when steamers, with their many hundreds of passengers first began to traverse the Adantic, as have since occurred. We should, indeed, says the writer, have undertaken a lugubrious task were we alone to chronicle the loss of the numerous magnificent steamers whose keels lie beneath the waves of the Atlantic, did we not also attempt to show how the causes which brought about their destruction, may, in a great measure, be avoided in future. It is generally supposed that shipwrecks are caused by the rage of the elements, but of the many vessels which went on shore only three or four appear to have directly suftered in consequence of stormy weather .-Miscalculations as to distances run, and courses steered, a reckless desire to make a a quick run, incompetent officers, &c., is too often the cause of the melancholy disasters. All we can hope is, that these losses may serve as a warning to all concerned, and may induce more caution, and vigilance, and stricter discipline than has apparently hitherto prevailed.

The following list of lost Atlantic steamships is as complete as the records within reach will supply :-

1841 - President, mysteriously disappeared. 1843 - Columbia, wrecked on the coast of Nova Scotia.

1846 - Great Britain, wrecked on coast of Ireland. Tweed, on Alacrames reef, off Yucatan.

1848-Forth, wrecked on same reef. 1850-Helena Sloman, foundered.

1852-St. George, burned. Amazon, do.

1853 Humboldt,-wrecked on coast o Nova Scotia.

1854-City of Glasgow, disappeared .-Franklin, wrecked. Artic, run down. City of Philadelphia, wrecked.

1856-Pacific, disappeared. LeLyonnais, run down.

1857 - Tempest, disappeared.

1858 - New York, foundered. Austria, burned.

1859-Argo, wrecked on the coast of Newfoundland. Indian, wrecked on coast of Nova Scotia. Hungarian,

1860 - Cannought - burned

1861-Canadian, wrecked on sunken ice. North Britain, wrecked.

1863-Norwegian, Anglo-Saxon and Georgia. All wrecked off Nova Scotia.

1864-Bohemian, wrecked off Nova Scotia. City of New York, wrecked on Irish Coast. Jura, wrecked at the mouth of the Mersey. lowa, wrecked off Cherbourg.

1865-Glasgow, burned. 1866-Scotland, run down.

1868-Hibernia, toundered.

1869-United Kingdom, disappeared. Germania and Cleopatra, both wrecked on coast of Newloundland.

1870-City of Boston, disappeared. Cambria, wrecked on Irish coast. 1872-Dacian, wrecked on coast of Nova Scotia. Tripoli, wrecked on Irish coast.

1873-Brittania, wrecked in the Clyde. Atlantic, wrecked on coast of Nova Scotia. City of Washing. ton, wrecked on coast of Nova Scotia. Ismalia, disappeared .-Missouria, wrecked on the Bahamas. Ville du Havre, run down.

The President heads the list of mysterious disappearances. With what awful anxiety tidings of her were waited for can be remembered by many. None ever came. She left New York, 11th March, 1841, having on board, among many passengers, a son of the Duke of Richmond, Rev. B. Coskman and poor Power, an author and actor of Irish characters.

In the space of 33 years, nearly 50 fine steamers, including the West India mailboats, have, while on their passage across the Atlantic, been destroyed-of these, 7, after leaving port mysteriously disappeared and have not been heard of-4 were run down by, or collided with other vessels. 4 were burned. I ran on sunken ice in the Straits of Belle Isle. One foundered in mid ocean, and another off the coast of Ireland, the remainder were wrecked either on the Irish or British coasts, or those of America. One of the most frightful and sudden catastrophes in this list was the case of the Atlantic. She left Liverpool 20th March, 1873, bound for New York, with about 1000 persons on board. Being it was said short of coal, she was steering for Halifax on a dark night, when the officers of the watch, supposing her to be much further off the land than was the case, mistook one light for another, and she run on a ledge of rocks off Meagher's Head. Whoever was to blame, there was evidently error in judgment or miscalculation as to the course, or this fine ship would not have been lost, or such fearful loss of life occurred, not a woman or a child saved; most of the hapless ones having been drowned in their berths below.

We repeat that there are few dangers in a passage across the Atlantic which may not, by care, skill and judgement be avoided. If shipbuilders and engine makers, shipowners and cargo-stowers do their duty -if a wakeful watch is kept below as well as a bright look-out on deck, and the captain is a careful navagator, the dangers of a passage across the Atlantic would be reduced to a minimum, such as it is indeed, with respect to one line of steamers, (the Cunard) of which during a long course of years, scarcely an accident of any serious consequence has occurred.

Religious Intelligence.

BLACK POINT, MARGARETS BAY .- Dear B.o. Selden, - Hoping to interest you or some of your readers, I feel inclined to give you a little sketch of what God has been, and still is doing for us at this Bay.

Perhaps there are but few places where the young have so generally been brought to God as at Indian Harbor. The Baptists of that community are in a little settlement of about two miles in length, and that not numerously settled. Yet 33 have been added to their strength by baptism. Every house has been visited in mercy.

At Hubley Settlement God is giving his people the victory, and we expect to baptize there again next Sabbath.

On this side of the Bay we are growing and the Church since our coming has doubled its membership. One of our great drawbacks here is the want of places of worship, but even in this we can report progress. In numbers this Church is small, but so scattered that three preaching stations appear to be necessary.

At Hubbards Cove our grood brother